UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF COMMERCIAL FISHERIES

CALIFORNIA FISHERY MARKET NEWS MONTHLY SUMMARY

December 1962

Part II–Fishing Information*

Sea-surface temperatures, fishing and research information of interest to the West Coast tuna-fishing industry and marine scientists

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Eastern Pacific Ocean, December 1962 2

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Scripps Institution of Oceanography, La Jolla, California
by Margaret Robinson and Hans Klein

Charts

Figure 1.--Mean sea surface temperatures (°F) derived from approximately 8000 observations. Squares show temperatures at weather-ship stations. Numerals on shore are temperatures at coastal and light stations.

Figure 2.--Deviation of sea surface temperatures (°F) from long term mean charts of H.O. 225. Hatched areas are colder than mean.

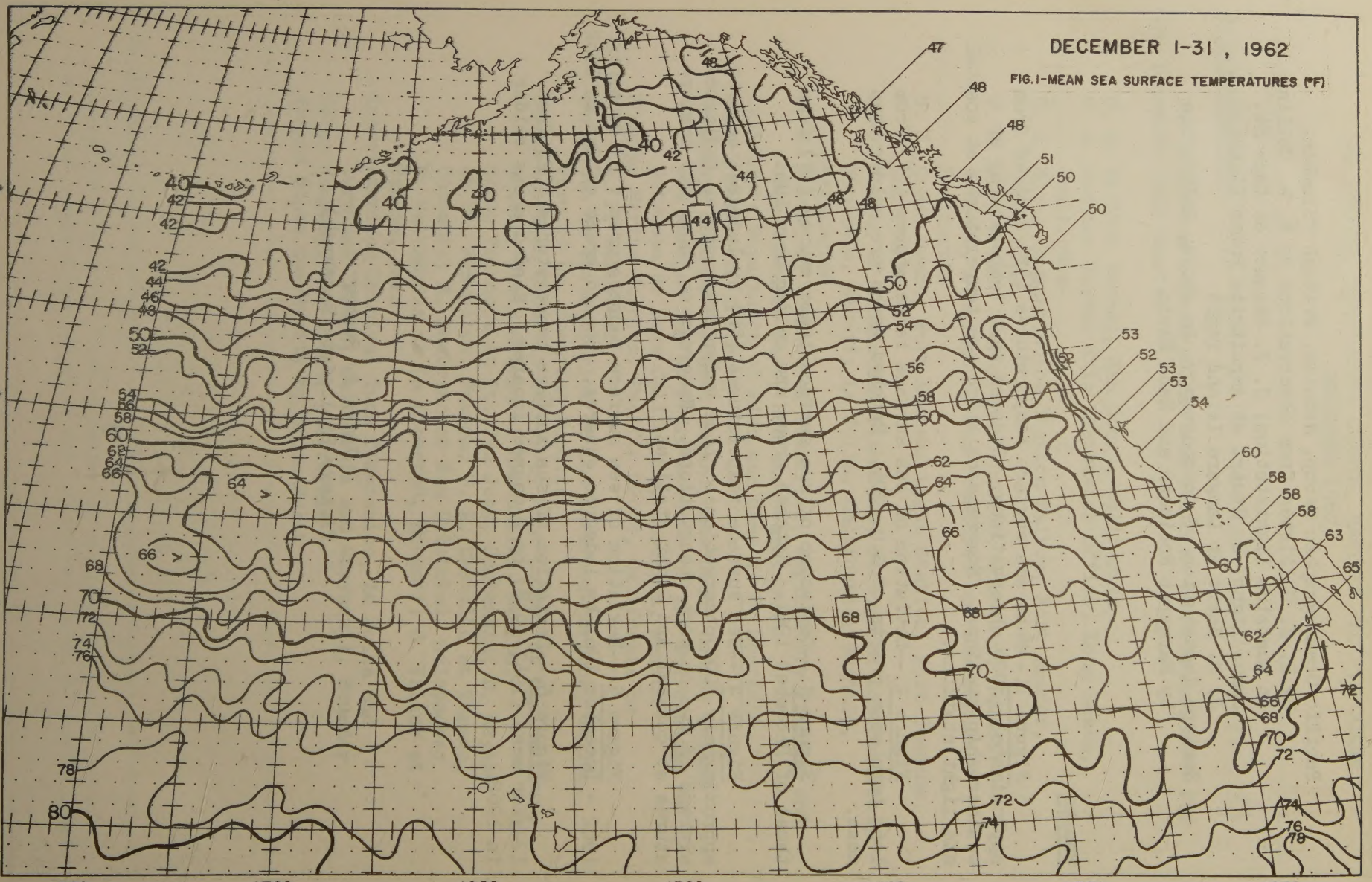
Figure 3.--Deviation of sea surface temperatures (°F) from those of December 1961. Hatched areas are colder than 1961.

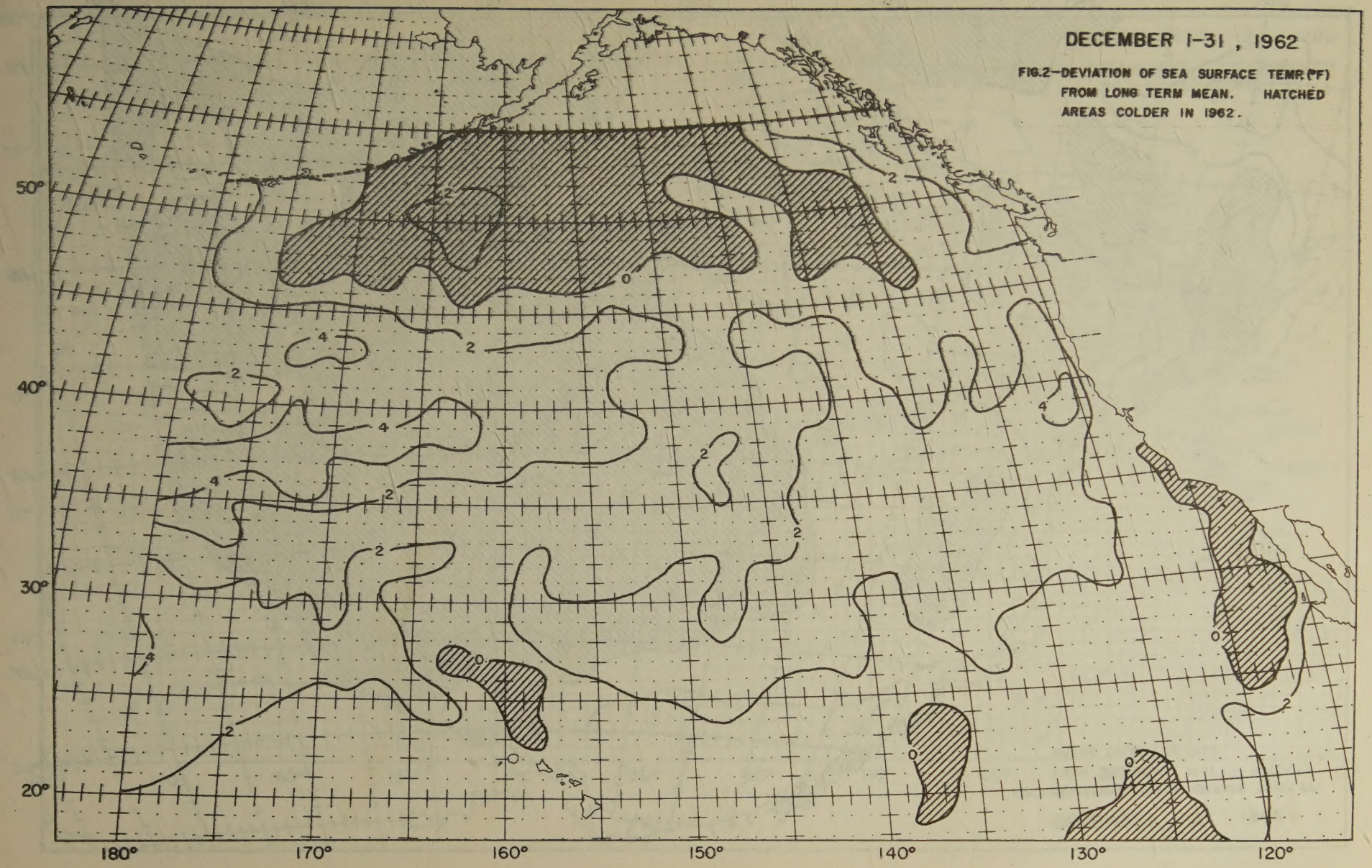
Figure 4.--Sea surface temperatures (°F) by 1-degree squares, approximately 2000 observations. Line under temperatures indicates average of two or more observations. Numerals on shore are temperatures at coastal and light stations.

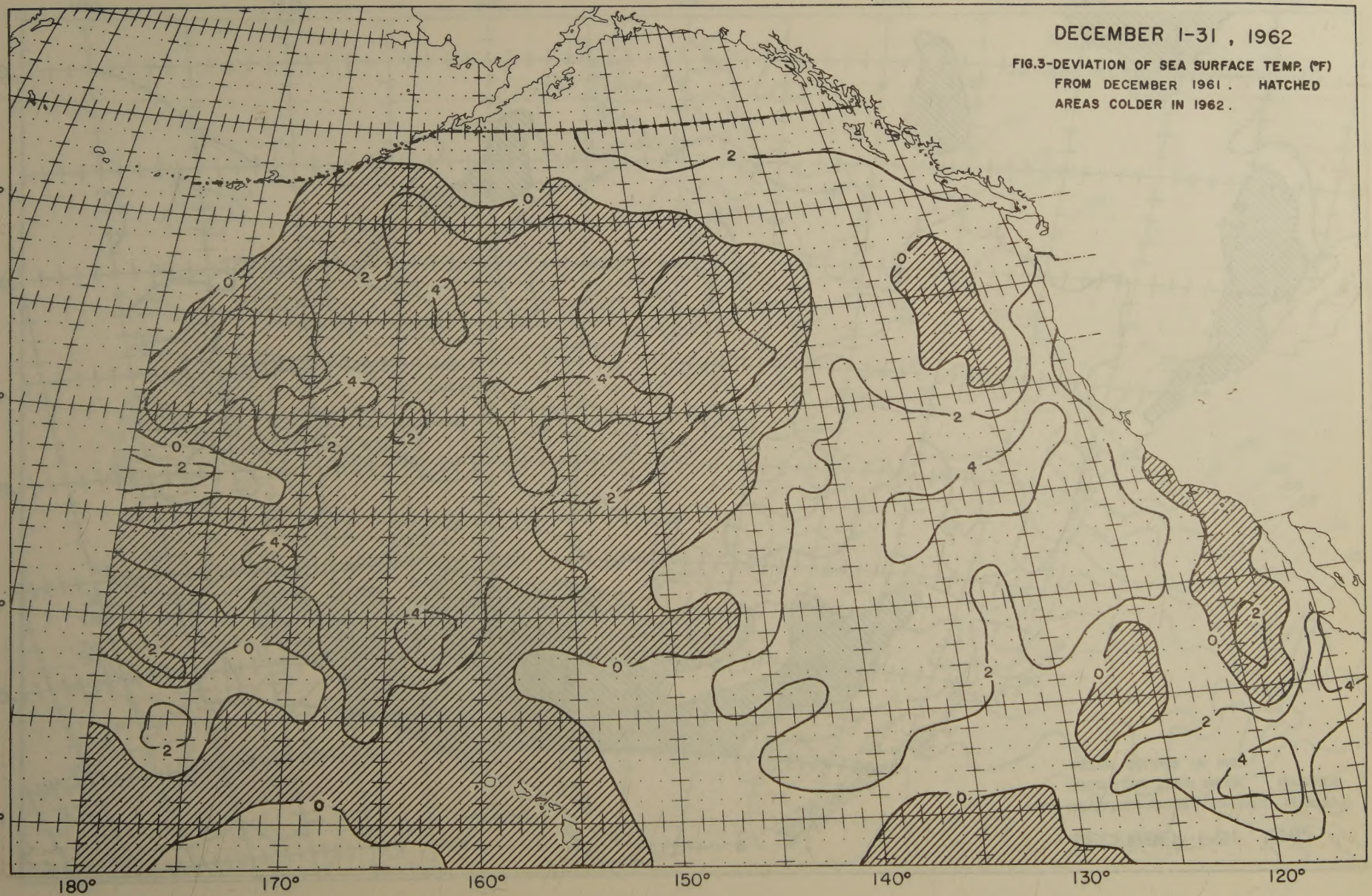
Figure 5.--Deviation of sea surface temperatures (°F) December 1962 - December 1961 by 1-degree squares. Shaded areas colder in 1962.

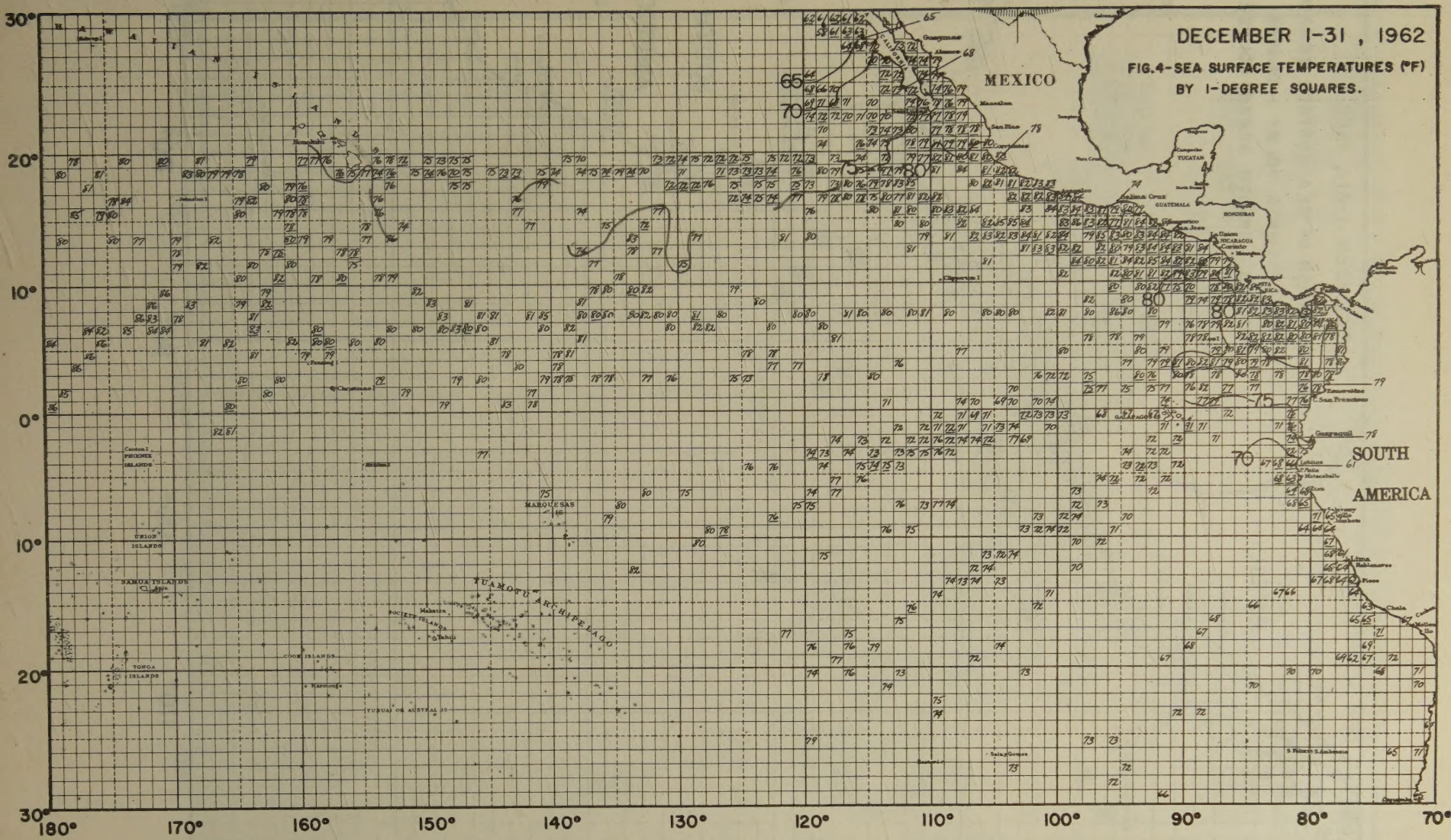
Figure 6.--Deviation of sea surface temperatures (°F) from 12-year mean (1947-1958) by 2-degree squares. Shaded areas colder in 1962.

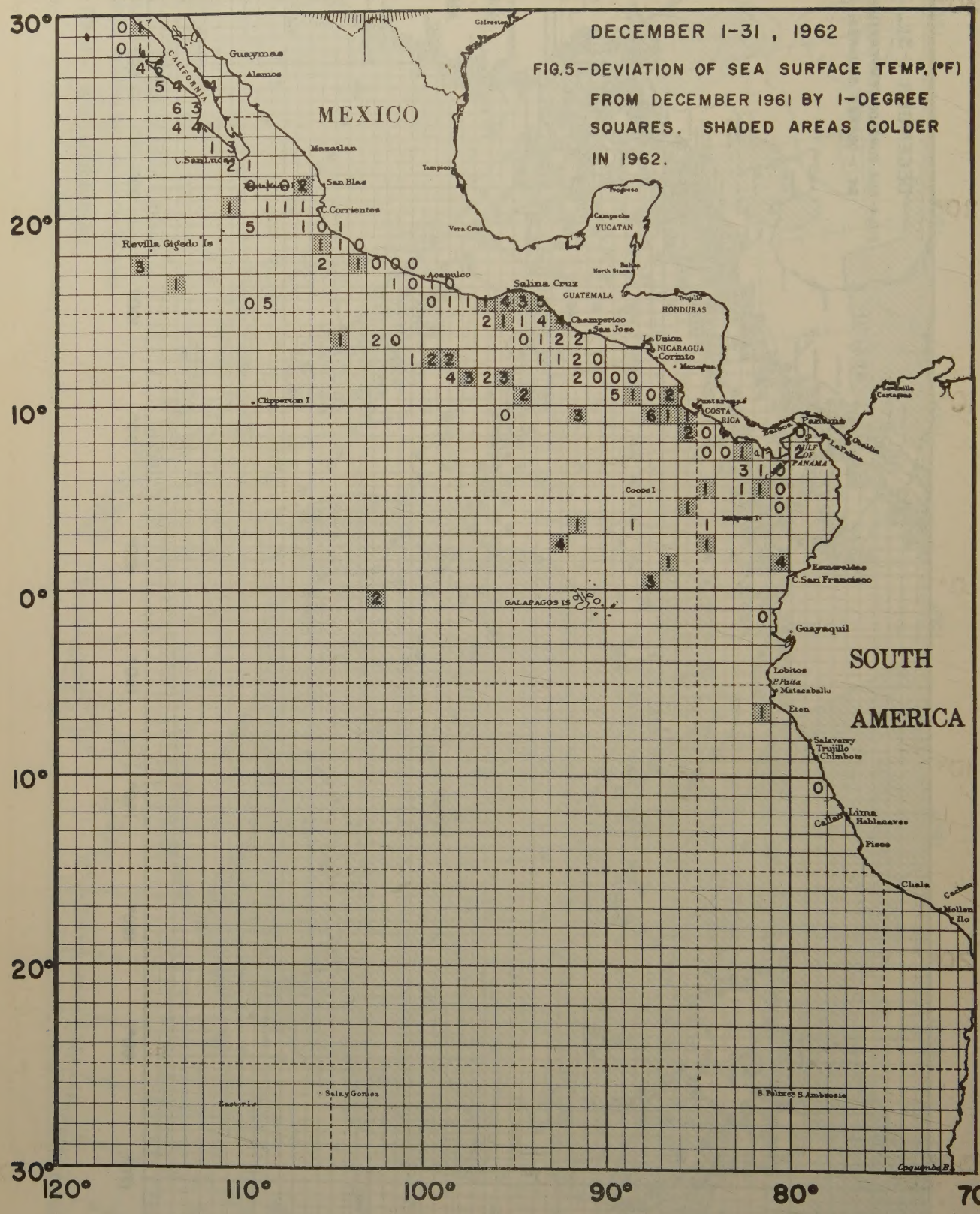
James A. Renner
Fishery Biologist (Research)

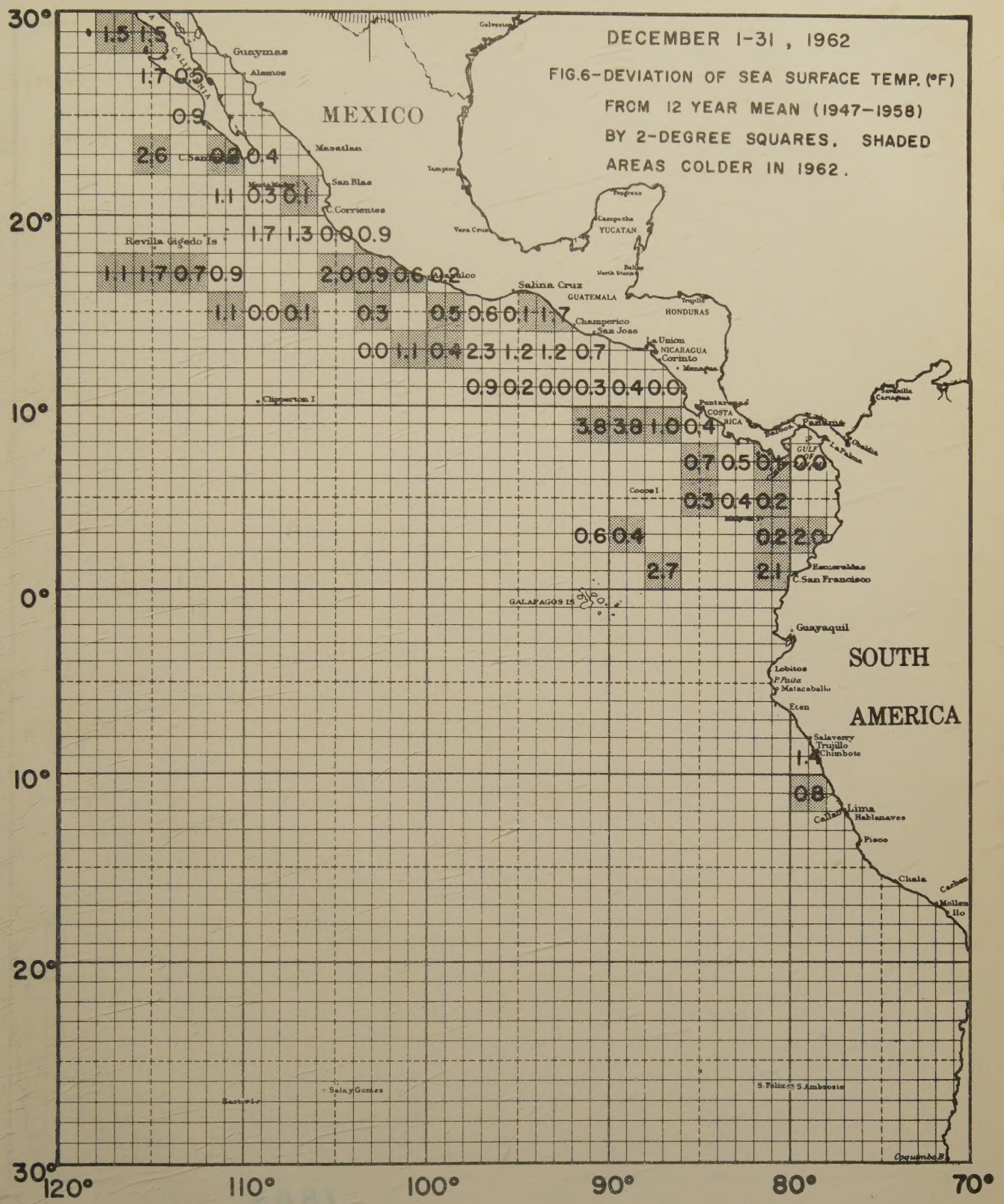

DECEMBER 1-31 , 1962
FIG. 1-MEAN SEA SURFACE TEMPERATURES (°F)
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°

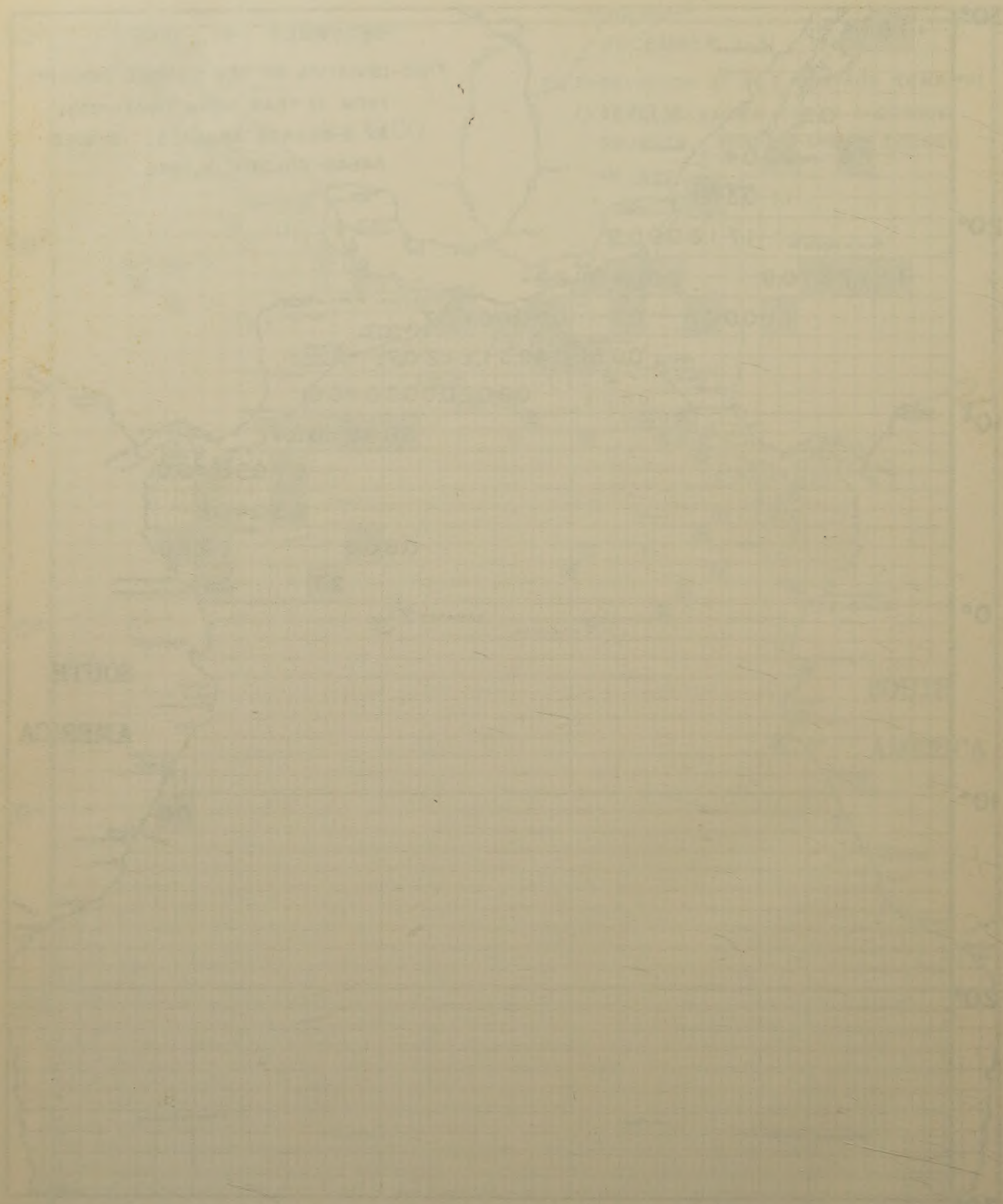

DECEMBER 1-31, 1962
FIG.2—DEVIATION OF SEA SURFACE TEMP.(°F) FROM LONG TERM MEAN. HATCHED AREAS COLDER IN 1962.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°


DECEMBER 1-31 , 1962
FIG.3-DEVIATION OF SEA SURFACE TEMP. (°F) FROM DECEMBER 1961 . HATCHED AREAS COLDER IN 1962 .
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°


DECEMBER 1-31 , 1962
FIG.4-SEA SURFACE TEMPERATURES (°F)
BY 1-DEGREE SQUARES.
MEXICO
SOUTH
AMERICA
HAWAIIAN ISLANDS
TUAMOTU ARCHIPELAGO
MARQUESAS
SAMOA ISLANDS
TONGA ISLANDS
COOK ISLANDS
30°
20°
10°
0°
10°
20°
30°
180°
170°
160°
150°
140°
130°
120°
110°
100°
90°
80°
70°


DECEMBER 1-31, 1962
FIG.5-DEVIATION OF SEA SURFACE TEMP.(°F) FROM DECEMBER 1961 BY 1-DEGREE SQUARES. SHADED AREAS COLDER IN 1962.
MEXICO
SOUTH AMERICA
CALIFORNIA
Guaymas
Alamos
Mazatlan
C. San Luca
San Blas
C. Corrientes
Revilla Gigedo Is
Acapulco
Salina Cruz
GUATEMALA
HONDURAS
Champerico
San Jose
Le Union
NICARAGUA
Corinto
Managua
Chipperton I
COSTA RICA
Panama
GULF OF PANAMA
Coope I
GALAPAGOS IS
Esmeraldas
C. San Francisco
Guayaquil
Lobitos
P. Paita
Matacaballo
Eten
Salaverry
Trujillo
Chimbote
Callao
Lima
Hablanaves
Pisco
Chala
Mollendo
Ilo
Tampico
Vera Cruz
Progreso
Campeche
YUCATAN
Belize
Galveston
Trujillo
Puntarenas
Colon
Cartagena
Coquimbo
30°
20°
10°
0°
10°
20°
30°
120°
110°
100°
90°
80°
70°


DECEMBER 1-31, 1962
FIG.6-DEVIATION OF SEA SURFACE TEMP. (°F) FROM 12 YEAR MEAN (1947-1958) BY 2-DEGREE SQUARES. SHADED AREAS COLDER IN 1962.
MEXICO
SOUTH AMERICA
GUATEMALA
HONDURAS
NICARAGUA
COSTA RICA
GALAPAGOS IS
YUCATAN
Guaymas
Alamos
Mazatlan
San Blas
C. Corrientes
Salina Cruz
Champerico
San Jose
La Union
Corinto
Chipperton I
Cocos I
Guayaquil
Lobitos
P. Pasta
Matacaballo
Eten
Salaverry
Trujillo
Chimbote
Lima
Hablanaves
Pisco
Chala
Mollendo
Galveston
Tampico
Vera Cruz
Progreso
Campeche
Belize
Trujillo
Panama
Cartagena
Esmeraldas
C. San Francisco
Pantarenas
Rivilla Gigedo Is
Easter I
Sala y Gomez
S. Felix
S. Ambrosio
30°
20°
10°
0°
10°
20°
30°
120°
110°
100°
90°
80°
70°



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